AMENDMENT TO ABSTRACT:

Please replace the Abstract with the following amended Abstract:

ABSTRACT OF THE DISCLOSURE

~~The present invention relates to method~~A method of ~~to effectively implement~~ estimating motion ~~estimation, which is a part of digital video signal processing algorithm,~~ in a mobile device reduces access of external memory and power consumption while increasing the usability of internal memory. The method includes ~~like embedded system with small internal memory space. In the present invention, with recognition to~~recognizing an ~~the~~ overlapped block ~~of the~~ of a reference search area between the current and its next macro block, and transferring only non-overlapped blocks ~~are transferred~~ to internal memory when motion estimation of a next macro block is performed. ~~So the access of external memory and power consumption is reduced and the usability of internal memory is increased. Then, the system performance to implement complex algorithm of MPEG-4 video encoder in mobile devices is improved.~~

ABSTRACT OF THE DISCLOSURE

A method of estimating motion in a mobile device reduces access of external memory and power consumption while increasing the usability of internal memory. The method includes recognizing an overlapped block of a reference search area between the current and its next macro block, and transferring only non-overlapped blocks to internal memory when motion estimation of a next macro block is performed.